Author Index of Volume 62

Adesina, A. A., L23
Anderson, A. B., 223

Baba, T., L5
Ballesteros, A., 341
Baumgarten, E., 37
Bhatt, S. D., 265
Blanchard, M., L33
Blanco, C., 171
Brunet, S., L33
Burgoyne, W. F., 61
Byung Won Woo, L11

Cabezas, M. J., 353
Carette, F., 255
Cesarotti, E., L29
Chaudhuri, S. N., 289
Chauvin, R., 147
Chil Hoon Doh, L11
Christopher, J., 69
Chuvilin, A. L., 45
Clark, J. H., 233
Clarke, J. K. A., L39
Collins, D. J., 57
Cullen, W. R., 243
Czárán, E., 321

Davis, B. H., 57
Dedek, B., 37
del Campo, C., 353
Dixon, D. D., 61
Drenth, W., 119
Duke, C. V. A., 233

Elsen, L., 255
Eshuis, J. J. W., 277
Espinós, J. P., 171

Farnetti, E., L29
Fejes, P., 215
Förster, H., 215
Fryzuk, M. D., 243
Fukuoka, A., 15
Funabiki, T., 157

González-Elipe, A. R., 171
Goor, G., 119
Graziani, M., L29
Guisan, J. M., 93, 353

Halik, C., 289
Hannus, I., 215
Hegarty, B. F., L39
Herb, G., 243
Herrero, J., 171
Hong Seok Kim, L11
Hosull Lee, L11
Hu Hongwen, 297
Hung-Ming Yang, 135

Ichikawa, M., 15
Ishida, H., 107
Izumi, K., L5

Jae Hwal Song, L1
James, B. R., 243
Jannes, G., 255
Jong Rack Sohn, L1

Kalinkin, A. V., 45
Kalló, D., 307
Kang Fu Gu, 331
Kang, G. J., 243
Keun Tae Huh, L11
Kimura, T., 15
Kirisci, I., 215
Kutney, J. P., 243
Kybett, A. P., 233

Lee, D.-S., L45
Lee, J. S., L45
Legemaat, G., 119
Lercher, J. A., 289
Llama, E., 353
Lovell, A., 179

Masai, M., L5
Matsumoto, K., 1
Maw-Ling Wang, 135
Merchant, R. R., 265
Mile, B., 179
Miller, J. M., 233
Miyata, K., 107
Moreno, J. M., 341

Nishiki, M., 79
Nishiyama, S., L5
Nogin, Yu. N., 45

Ohkubo, K., 107
Onyestyák, G., 307
Oro, L. A., 171

Pallavinici, M., L29
Palleschi, A., 369
Pan Yi, 297
Papp, J., 321
Papp, J., Jr., 321
Paradossi, G., 369
Paukshtis, E. A., 45
Pispisa, B., 369
Prakash Rao, A., 265
Prasad, S., L17
Prati, L., L29
Prescher, G., 119

Rao, B. S., L17
Rao, L.-F., 15
Renkema, J., 277
Rodríguez, L. J., 199
Rooney, J. J., L39
Rosa-Brussin, M., 199
Ruette, F., 199
Ryndin, Yu. A., 45

Sagawa, T.,107
Sakai, K., 1
Sakurai, H., 79
Salvador, D., 93
Sam Gon Ryu, L1
Sang Chul Shim, L11
Sato, H., 157
Satoh, T., 79
Schmidt, M., 119
Schneider, R. P., Jr., 57
Sinisterra, J. V., 93, 341, 353
Spogliarich, R., L29, 243
Stirling, D., 179
Swamy, C. S., 69

Tan, Y. Y., 277
Tanaka, N., 157
Taqui Khan, M. M., 265
Tasi, G., 215
Teuben, J. H., 277

Elsevier Sequoia/Printed in The Netherlands

Thomas Ming Swi Chang, 331
Thorburn, I. S., 243
Tsuruya, S., L5

Vanderwegen, P., 255
Villa, L., L29

Webb, M., 179
Wolf, M. C., 57
Woo Hyun Park, L11

Yamazaki, Y., 157
Yeom, M. Y., L45
Yoshida, S., 157
Yoshinaga, K., 107
Yu, J., 223

Zammitt, M. A., 179
Zhang Zhuangyu, 297
Zsadon, B., Jr., 321
Zverev, Yu. B., 45

Subject Index of Volume 62

Acetylenes
  binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2: MO theory, 223
  catalytic hydrocyanation of, by cyanonickelate avoiding use of hydrogen cyanide, 157
Acid catalysis
  synthesis of *ortho*-alkyl arylamines from *N*-alkyl arylamines via, 61
Acyl donor
  influence of structure of, in selectivity of α-chymotrypsin: organic reactions catalysed by insolubilized enzymes, 353
Adsorption
  CO, on Rh(I) and on metallic Rh supported on titanium dioxide, 171
  ^{19}F MAS NMR and FTIR analysis of, of alkali metal fluorides onto alumina, 233
Alcohols
  mechanism of aniline alkylation with methanol over $AlPO_4$-5, L17
  reactions of ethanol over HZSM-5, 289
  ring-opening dioxygenation of 3,5-di-t-butylcatechol by $FeCl_2$/monodentate ligand/bidentate ligand systems, 107
Alkali metal fluorides
  ^{19}F MAS NMR and FTIR analysis of adsorption of, onto alumina, 233
Alkanes
  exchange reaction of cyclopentane and deuterium on modified Pt, L39
  fluorination of 1,1,1-trichloroethane with HF and $SbCl_5$ at low temperature, L33
Alkenes, Olefins
  binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2: MO theory, 223
  biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
  catalytic dehydroacetoxylation of 1-acetoxycyclopent-1-ene to cyclopent-2-enone with oxygen over Pd supported on silica, L5
  catalytic olefin oligomerization and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
  epoxidation of cyclohexene, methylcyclohexene and *cis*-cyclooctene by molecular oxygen using Ru(III) aquo ion as catalyst; kinetic study, 265
  epoxidation of, by hydrogen peroxide catalysed by oxo(5,10,15,20-tetraphenylporphyrinato)molybdenum(V) complexes, 119
  kinetic study of synthesis of 4-bromophenyl allyl ether by phase transfer catalysis, 135
  transformation of allene over zeolites, 215
Alkylation
  aniline, with methanol over $AlPO_4$-5; mechanism of, L17
Aluminium
  ^{19}F MAS NMR and FTIR analysis of adsorption of alkali metal fluorides onto alumina, 233
  mechanism of aniline alkylation with methanol over $AlPO_4$-5, L17
Amines
  synthesis of *ortho*-alkyl arylamines from *N*-alkyl arylamines via acid catalysis, 61
Amino acids
  conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate dehydrogenase for coenzyme recycling, 331
Ammonia
  conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate

Elsevier Sequoia/Printed in The Netherlands

dehydrogenase for coenzyme recycling, 331
Antimony
fluorination of 1,1,1-trichloroethane with HF and $SbCl_5$ at low temperature, L33
Aromatic compounds
catalytic olefin oligomerization and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
chiral Ru catalysts for asymmetric hydrogen transfer reduction of acetophenone: original effect of asbestos on enantioselectivity, 147
epoxidation of alkenes by hydrogen peroxide catalysed by oxo(5,10,15,20-tetraphenylporphyrinato)molybdenum(V) complexes, 119
FTIR investigations on influence of oxygen spillover on oxidation rate of adsorbed benzoic acid, 37
kinetic study of synthesis of 4-bromophenyl allyl ether by phase transfer catalysis, 135
mechanism of aniline alkylation with methanol over $AlPO_4$-5, L17
nitrobenzene hydrogenation: poisoning effect of tin dichloride on Pt catalyst, 57
preparation of modified silica catalyst with benzenesulpho groups, L1
Ru-catalysed synthesis of 1-substituted perhydroazepines, L11
synthesis of *ortho*-alkyl arylamines from *N*-alkyl arylamines via acid catalysis, 61
Asbestos
original effect of, on enantioselectivity; chiral Ru catalysts for asymmetric hydrogen transfer reduction of acetophenone, 147

Biomimetic models
of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79

Carbon bonds
catalysis by molybdenum carbide in activation of C–C, C–O and C–H bonds, L45
Carbon monoxide
adsorption on Rh(I) and on metallic Rh supported on titanium dioxide, 171
Cellulose
biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
Cluster(s)
hematite; theoretical study of hydrogen activation in, 199
heterogenized bimetallic: their structures and bifunctional catalysis, 15
Copper
catalytic decomposition of N_2O on ternary oxides containing, in different valence states, 69
Crystals
binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2: MO theory, 223
biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
Cyanonickelate
catalytic hydrocyanation of acetylenes by, avoiding use of hydrogen cyanide, 157

Decomposition
catalytic, of N_2O on ternary oxides containing Cu in different valence states, 69
Dehydroacetoxylation
catalytic, of 1-acetoxycyclopent-1-ene to cyclopent-2-enone with oxygen over Pd supported on silica, L5
Dentate
ring-opening dioxygenation of 3,5,-di-t-butylcatechol by $FeCl_2$/monodentate ligand/bidentate ligand systems, 107
Deuterium
exchange reaction of cyclopentane and deuterium on modified Pt, L39
Dextran
conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate dehydrogenase for coenzyme recycling, 331

Diamond
influence of Pr ions on properties of Pd supported on ultradispersed diamond and graphite from organometallic precursors, 45
Dioxygenation
ring-opening, of 3,5-di-t-butylcatechol by $FeCl_2$/monodentate ligand/bidentate ligand systems, 107

Enzymes
biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate dehydrogenase for coenzyme recycling, 331
influence of organic–aqueous media in RNase activity of spleen phosphodiesterase, 341
organic reactions catalysed by insolubilized enzymes: influence of structure of acyl donor in selectivity of α-chymotrypsin, 353
I-peptide synthesis catalysed by insolubilized α-chymotrypsin, 93
Epoxidation
of alkenes by hydrogen peroxide catalysed by oxo(5,10,15,20-tetraphenylporphyrinato)molybdenum(V) complexes, 119
of cyclohexene, methylcyclohexene and *cis*-cyclooctene by molecular oxygen using Ru(III) aquo ion as catalyst; kinetic study, 265
Ether
kinetic study of synthesis of 4-bromophenyl allyl ether by phase transfer catalysis, 135

Fischer–Tropsch mechanisms
theoretical correlation between chain growth factor and feed composition for, L23
Fluorination
of 1,1,1-trichloroethane with HF and $SbCl_5$ at low temperature, L33

Graphite
influence of Pr ions on properties of Pd supported on ultradispersed diamond and graphite from organometallic precursors, 45

Hafnium
catalytic olefin oligomerization and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
Heck olefination
amino-functionalized silica-supported Pd catalysts and their applications in, 297
Hematite cluster
theoretical study of hydrogen activation in, 199
Hydrocyanation
catalytic, of acetylenes by cyanonickelate avoiding use of hydrogen cyanide, 157
Hydrogen
chiral Ru catalysts for asymmetric hydrogen transfer reduction of acetophenone: original effect of asbestos on enantioselectivity, 147
homogeneous catalysis of Pt blue related complexes in photoreduction of water into, 1
theoretical study of hydrogen activation in hematite cluster, 199
Hydrogenation
asymmetric catalytic, of α-amino ketones by cationic Ir complexes, L29
asymmetric homogeneous, of imines using Rh–phosphine systems, 243
nitrobenzene: poisoning effect of tin dichloride on Pt catalyst, 57

Imines
asymmetric homogeneous hydrogenation of, using Rh–phosphine systems, 243
Iridium complexes
cationic: asymmetric catalytic hydrogenation of α-amino ketones by, L29
Iron
influence of polypeptides on reactivity of thiols toward Fe(III) complex ion, 369
ring-opening dioxygenation of 3,5-di-t-butylcatechol by $FeCl_2$/monodentate ligand/bidentate ligand systems, 107

Ketones
asymmetric catalytic hydrogenation of α-amino ketones by cationic Ir complexes, L29

Leucine
conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate dehydrogenase for coenzyme recycling, 331
Liquid–solid phase transfer catalysis
synthesis of unsaturated nitriles via: kinetic study, 255

Manganese
preparation and preliminary testing of MnO_2 prepared on different types of zeolites as support, 321
Molybdenum
binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2: MO theory, 223
catalysis by molybdenum carbide in activation of C–C, C–O and C–H bonds, L45
epoxidation of alkenes by hydrogen peroxide catalysed by oxo(5,10,15,20-tetraphenylporphyrinato)molybdenum(V) complexes, 119
MO theory
binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2, 223

Nickel
catalytic hydrocyanation of acetylenes by cyanonickelate avoiding use of hydrogen cyanide, 157
TPR studies of effects of preparation conditions on supported Ni catalysts, 179
Nitriles
synthesis of unsaturated nitriles via liquid–solid phase transfer catalysis: kinetic study, 255
Nitrous oxide
catalytic decomposition of, on ternary oxides containing Cu in different valence states, 69

Olefins: see Alkenes
Oligomerization
catalytic olefin, and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
Oxidation rate
FTIR investigations on influence of oxygen spillover on, of adsorbed benzoic acid, 37
Oxygen
biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
catalytic dehydroacetoxylation of 1-acetoxycyclopent-1-ene to cyclopent-2-enone with, over Pd supported on silica, L5
epoxidation of cyclohexene, methylcyclohexene and *cis*-cyclooctene by molecular oxygen using Ru(III) aquo ion as catalyst; kinetic study, 265
FTIR investigations on influence of oxygen spillover on oxidation rate of adsorbed benzoic acid, 37
Oxygenation
cyclohexene, in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems; biomimetic models of cytochrome P-450 monooxygenase, 79

Palladium
amino-functionalized silica-supported Pd catalysts and their applications in Heck olefination, 297
catalytic dehydroacetoxylation of 1-acetoxycyclopent-1-ene to cyclopent-2-enone with oxygen over, supported on silica, L5
influence of Pr ions on properties of, supported on ultradispersed diamond and graphite from organometallic precursors, 45
Peptides
influence of polypeptides on reactivity of thiols toward Fe(III) complex ions, 369
organic reactions catalysed by insolubilized α-chymotrypsin, 93
Phosphorus
asymmetric homogeneous hydrogenation of imines using Rh–phosphine systems, 243

influence of organic–aqueous media in RNase activity of spleen phosphodiesterase, 341
Photoreduction
homogeneous catalysis of Pt blue related complexes in, of water into hydrogen, 1
Platinum
exchange reaction of cyclopentane and deuterium on modified Pt, L39
homogeneous catalysis of Pt blue related complexes in photoreduction of water into hydrogen, 1
nitrobenzene hydrogenation: poisoning effect of tin dichloride on Pt catalyst, 57
Polymerization
and catalytic olefin oligomerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
Polypeptides
influence of, on reactivity of thiols toward Fe(III) complex ions, 369
Praseodymium ions
influence of, on properties of Pd supported on ultradispersed diamond and graphite from organometallic precursors, 45

Rhodium
asymmetric homogeneous hydrogenation of imines using Rh–phosphine systems, 243
CO adsorption on Rh(I) and on metallic Rh supported on titanium dioxide, 171
Ruthenium
chiral, catalysts for asymmetric hydrogen transfer reduction of acetophenone: original effect of asbestos on enantioselectivity, 147
epoxidation of cyclohexene, methylcyclohexene and *cis*-cyclooctene by molecular oxygen using Ru(III) aquo ion as catalyst; kinetic study, 265
Ru-catalysed synthesis of 1-substituted perhydroazepines, L11

Silicon
amino-functionalized silica-supported Pd catalysts and their applications in Heck olefination, 297
catalytic dehydroacetoxylation of 1-acetoxycyclopent-1-ene to cyclopent-2-enone with oxygen over Pd supported on silica, L5
preparation of modified silica catalyst with benzenesulpho groups, L1
Sodium
biomimetic models of cytochrome P-450 monooxygenases: cyclohexene oxygenation in metalloporphyrin–Na borohydride–microcrystalline cellulose–oxygen systems, 79
Spectroscopy
^{19}F MAS NMR and FTIR analysis of adsorption of alkali metal fluorides onto alumina, 233
FTIR investigations on influence of oxygen spillover on oxidation rate of adsorbed benzoic acid, 37
Sulphur
binding of ethylene and acetylene to S^{2-} in $C_5H_5MoS_4MoC_5H_5$ and on crystalline MoS_2: MO theory, 223
influence of polypeptides on reactivity of thiols toward Fe(III) complex ions, 369
preparation of modified silica catalyst with benzenesulpho groups, L1

Tin
nitrobenzene hydrogenation: poisoning effect of tin dichloride on Pt catalyst, 57
Titanium
catalytic olefin oligomerization and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277
CO adsorption of Rh(I) and on metallic Rh supported on titanium dioxide, 171
TPR studies
of effects of preparation conditions on supported Ni catalysts, 179
Transition metal zeolites
catalytic activity of, 307

Urea
conversion of ammonia or urea into essential amino acids, L-leucine and L-isoleucine using artificial cells containing immobilized multienzyme system and dextran–NAD^+: malate dehydrogenase for coenzyme recycling, 331

Water
homogeneous catalysis of Pt blue related complexes in photoreduction of, into hydrogen, 1

Zeolites
preparation and preliminary testing of MnO_2 prepared on different types of zeolites as support, 321
reactions of ethanol over HZSM-5, 289
transformation of allene over, 215
transition metal: catalytic activity of, 307

Zirconium
catalytic olefin oligomerization and polymerization with cationic Group IV metal complexes $[Cp^*_2MMe(THT)]^+[BPh_4]^-$, M = Ti, Zr and Hf, 277